



OIKE

## RAW SEQUENCE LISTING

DATE: 05/07/2002

PATENT APPLICATION: US/09/905,558B

TIME: 14:54:05

Input Set : A:\1016.SEQLIST.TXT

Output Set: N:\CRF3\05072002\I905558B.raw

Does Not Comply  
Corrected Diskette Needed

4 <110> APPLICANT: Garnaat, Carl W.  
5       Lowe, Keith S.  
6       Roth, Bradley A.  
11 <120> TITLE OF INVENTION: ZmAxigl Polynucleotides and Methods of  
12       Use  
14 <130> FILE REFERENCE: 1016  
16 <140> CURRENT APPLICATION NUMBER: US/09/905,558B  
16 <141> CURRENT FILING DATE: 2001-07-13  
16 <150> PRIOR APPLICATION NUMBER: US 60/217,942  
17 <151> PRIOR FILING DATE: 2000-07-13  
19 <160> NUMBER OF SEQ ID NOS: 21  
21 <170> SOFTWARE: FastSEQ for Windows Version 3.0

## ERRORED SEQUENCES

447 <210> SEQ ID NO: 20  
448 <211> LENGTH: 622  
449 <212> TYPE: DNA  
450 <213> ORGANISM: Zea mays  
452 <400> SEQUENCE: 20  
453 gcatgaataa tccccaaaac cctaaagcca gtgtccttg caccttgcca cggagcttc 60  
454 ccaaagaagc agtggcgacc gacgaagcac cgccgccaat gggcaacaac aacaacacgg 120  
455 aatcgccgac ggcgacqatg gtccgggaqc aggaccggct gatgcccggt gccaacgtgt 180  
E--> 456 cccgcatcat ggcgcaagt ctgcctcgt acgccaagat ctccgacgac gccangaag 240  
E--> 457 tnatccaaga attgctnttc ggaatttcat cacttncgtc ctggcgaggc gaaacgaagc 300  
458 ggtgccacac cgagcgcgcg aagaccgtca cctccgaaga catcgtgtgg gccatgagcc 360  
E--> 459 gctcgggctt cgacgactac gtgcgcccc tggcgccct cctccagcgc atgcgcgacn 420  
E--> 460 acagcgaaca cgggggtgaa aacgcggcgg cctgcanggg gtngtggtcn cgccgcgggt 480  
E--> 461 cgtctncttg gcgtccctt gccgcaanag atgacaact gcaccaaac tctgccgggn 540  
E--> 462 tcggaccaa actnttcct gttgcaggaa taccgctcn gggccttcc ccccnatc 600  
463 caaccatttg gtttccctt gc 622  
465 <210> SEQ ID NO: 21  
466 <211> LENGTH: 65  
467 <212> TYPE: PRT  
468 <213> ORGANISM: Zea mays  
470 <400> SEQUENCE: 21  
E--> 471 Arg Glu Gln Asp Xaa Xaa Met Pro Ile Ala Asn Val Ile Arg Ile Met  
472 1 5 10 15  
E--> 473 Arg Xaa Xaa Leu Pro Xaa His Ala Lys Ile Ser Asp Asp Ala Lys Glu  
474 20 25 30  
E--> 475 Xaa Ile Gln Glu Cys Val Ser Glu Tyr Ile Ser Phe Xaa Thr Xaa Glu  
476 35 40 45

errors continue on p. 2

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/905,558B

DATE: 05/07/2002

TIME: 14:54:06

Input Set : A:\1016.SEQLIST.TXT

Output Set: N:\CRF3\05072002\I905558B.raw

E--> 477 Ala Asn Xaa Arg Cys Xaa Xaa Xaa Xaa Arg Lys Thr Xaa Xaa Xaa Glu  
478 50 55 60  
E--> 479 Xaa  
480 65

## VARIABLE LOCATION SUMMARY

PATENT APPLICATION: US/09/905,558B

DATE: 05/07/2002

TIME: 14:54:07

Input Set : A:\1016.SEQLIST.TXT

Output Set: N:\CRF3\05072002\I905558B.raw

Use of n's or Xaa's (NEW RULES):

Use of n's and/or Xaa's have been detected in the Sequence Listing.

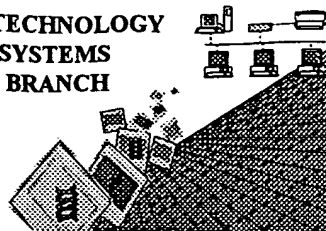
Use of &lt;220&gt; to &lt;223&gt; is MANDATORY if n's or Xaa's are present.

in &lt;220&gt; to &lt;223&gt; section, please explain location of n or Xaa, and which residue n or Xaa represents.

Seq#:20; N Pos. 236,242,257,276,420,457,463,470,486,508,540,554,580,586,596

Seq#:21; Xaa Pos. 5,6,18,19,22,33,45,47,51,54,55,56,57,61,62,63,65

BIOTECHNOLOGY  
SYSTEMS  
BRANCH



**RAW SEQUENCE LISTING**  
**ERROR REPORT**

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 09/905,558B  
Source: OIPE  
Date Processed by STIC: 5/7/2002

**THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.**

**PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:**

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

**FOR CRF SUBMISSION QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.**

**FOR SEQUENCE RULES INTERPRETATION, PLEASE CONTACT ROBERT WAX, 703-308-4216.**

**PATENTIN 2.1 e-mail help: [patin21help@uspto.gov](mailto:patin21help@uspto.gov) or phone 703-306-4119 (R. Wax)**

**PATENTIN 3.0 e-mail help: [patin3help@uspto.gov](mailto:patin3help@uspto.gov) or phone 703-306-4119 (R. Wax)**

**TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 3.1 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:**

**<http://www.uspto.gov/web/offices/pac/checker>**

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.

Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.

Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

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2. U.S. Postal Service: U.S. Patent and Trademark Office, Box Sequence, P.O. Box 2327, Arlington, VA 22202

3. Hand Carry directly to:

U.S. Patent and Trademark Office, Technology Center 1600, Reception Area, 7<sup>th</sup> Floor, Examiner Name, Sequence Information, Crystal Mall One, 1911 South Clark Street, Arlington, VA 22202

Or

U.S. Patent and Trademark Office, Box Sequence, Customer Window, Lobby, Room 1B03, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202

4. Federal Express, United Parcel Service, or other delivery service to: U.S. Patent and Trademark Office, Box Sequence, Room 1B03-Mailroom, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202

Revised 01/29/2002